

SmartGene

SmartGene, Inc. contact:

David Ellis, President.

(919) 844 6145

dellis@smartgene.com

SmartGene Inc. announces the availability of curated reference databases to aid in sequence-based identification of Nocardia species.

November 16th, 2011: Raleigh, NC - SmartGene, Inc., a provider of novel services for the management and analysis of genetic data, today announced the availability of curated reference databases of sequences from clinically-significant isolates of Nocardia. The curated reference databases were developed by the Microbiology Service at the Clinical Center of the National Institutes of Health, and will be available as an option for other customers of SmartGene's Bacteria module to interrogate.

Identification of challenging pathogens based on gene sequencing is often a faster and more reliable approach than conventional methods. SmartGene's web services facilitate efficient identification, following the sequencing of an organism's DNA, by integrating tasks such as sequence editing, alignment, interpretation, creation of dendrograms and reports. Sequences are interrogated against SmartGene's broad, constantly updated reference databases, which take account of newly characterized and emerging pathogens.

"As a complement to the reference databases maintained by SmartGene on an ongoing basis, we are delighted to be able to offer these new reference databases, curated by the Microbiology Service at the NIH's Clinical Center," said David Ellis, President of SmartGene, Inc. "These focused databases will give our users access to high quality, curated reference sequences of 16S rRNA and Sec A1 genes, to assist with the accurate identification of all clinically-significant species of Nocardia."

About SmartGene, Inc.

SmartGene, Inc. is the North American subsidiary of SmartGene GmbH, a privately-held company based in Zug, Switzerland, which provides its services worldwide. SmartGene provides web-based suites of functionality to facilitate sequence-based analysis for a variety of clinical, medical research, and veterinary applications. Constant updates to reference data and interpretive algorithms keep SmartGene's customers in step with evolving science and improve the accuracy of sequence interpretation. SmartGene's integrated services increase the speed to result for sequence-based diagnostics and improve workflow in the laboratory. Current modules from SmartGene address Bacteria, Fungi, HIV, HCV, MLST, Influenza, and HLA typing. Discover more at www.smartgene.com.

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